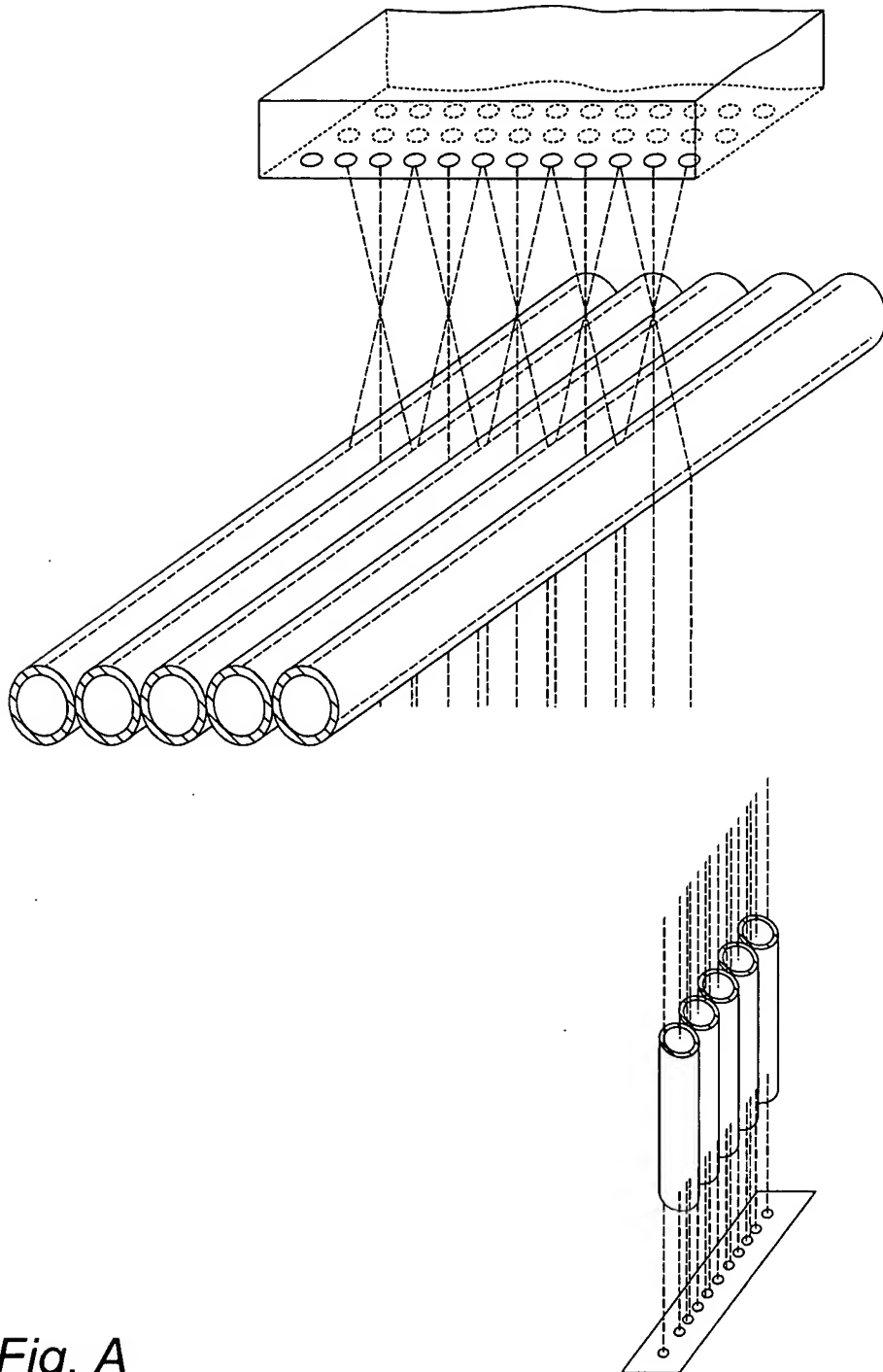
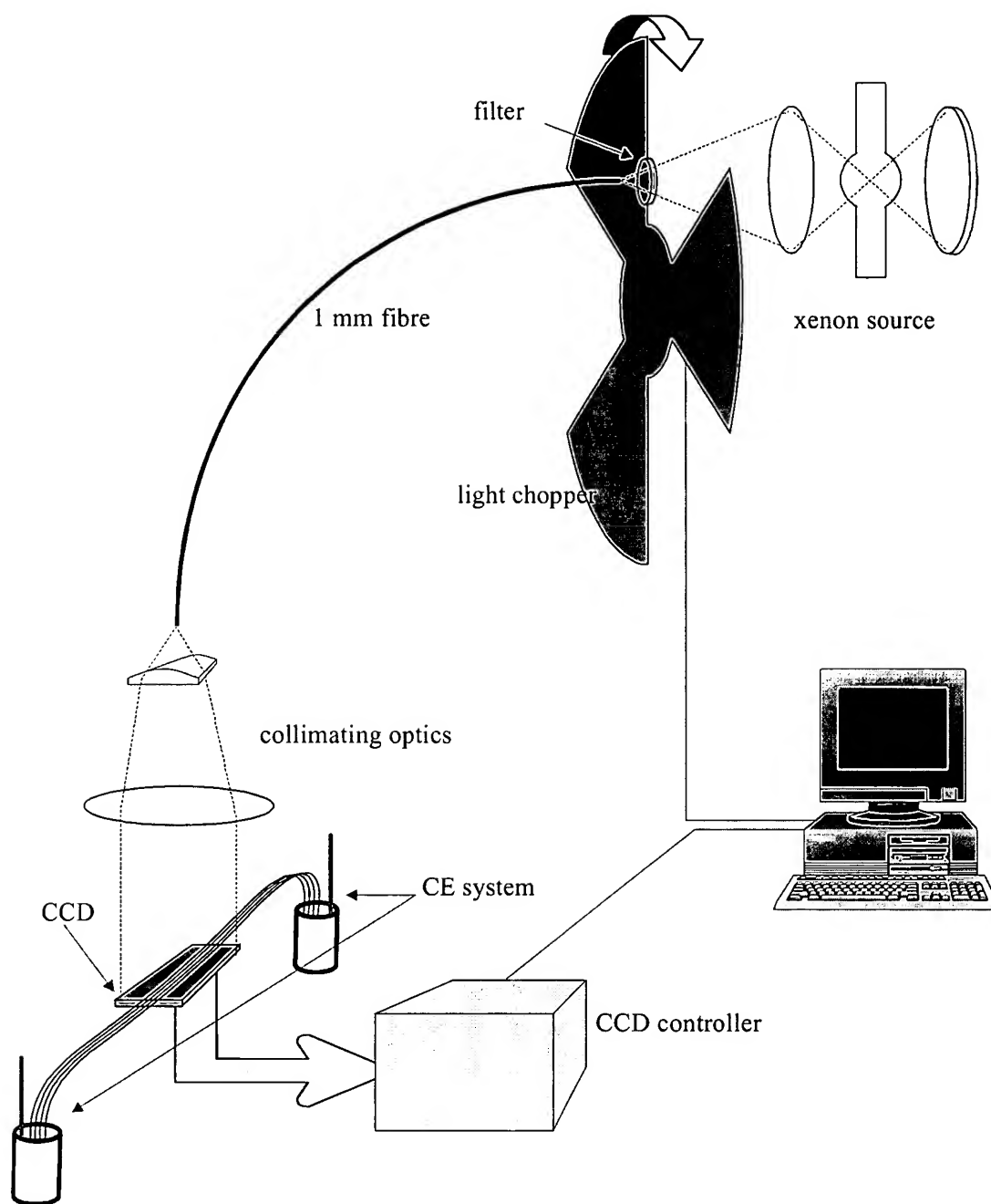


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*Fig. A*

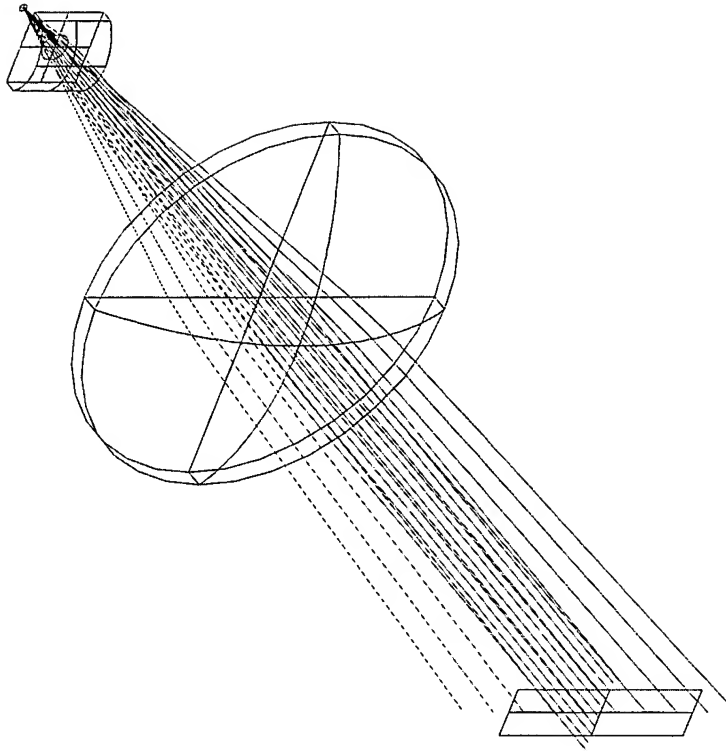
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**Figure 1.** Schematic diagram of experimental apparatus for parallel capillary absorbance detection.

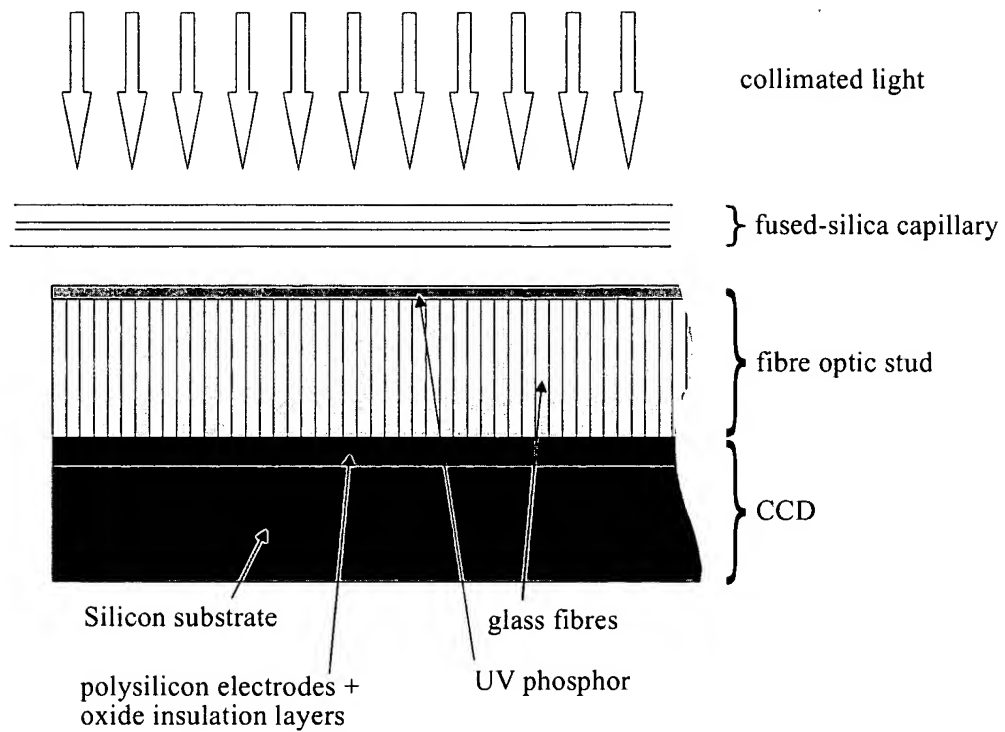
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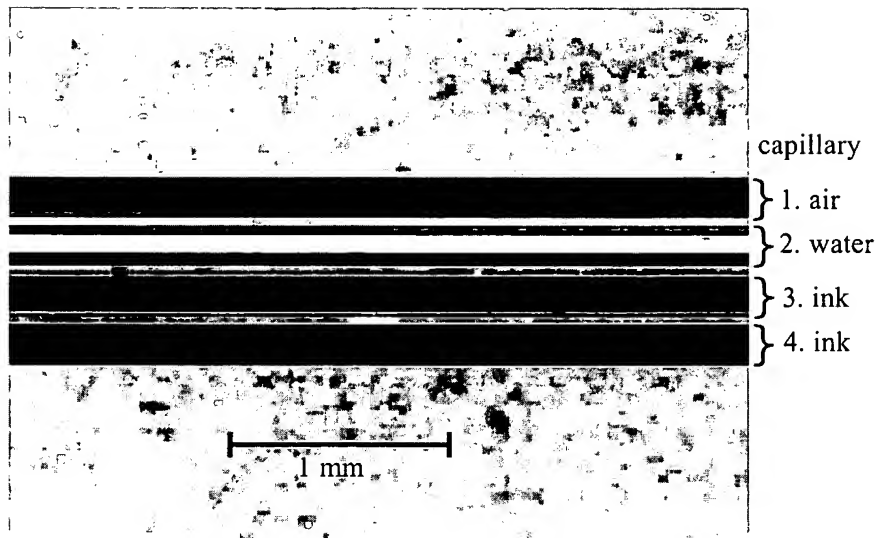
**Figure 2.** Collimated illumination of rectangular CCD area, (26.6 x 6.7 mm) using light output from a 1 mm diameter fused-silica optical fibre (N.A. = 0.22) using a cylindrical and spherical fused-silica lens elements.

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**Figure 3.** Detail of CCD with fibre optic stud and imaging of capillaries.

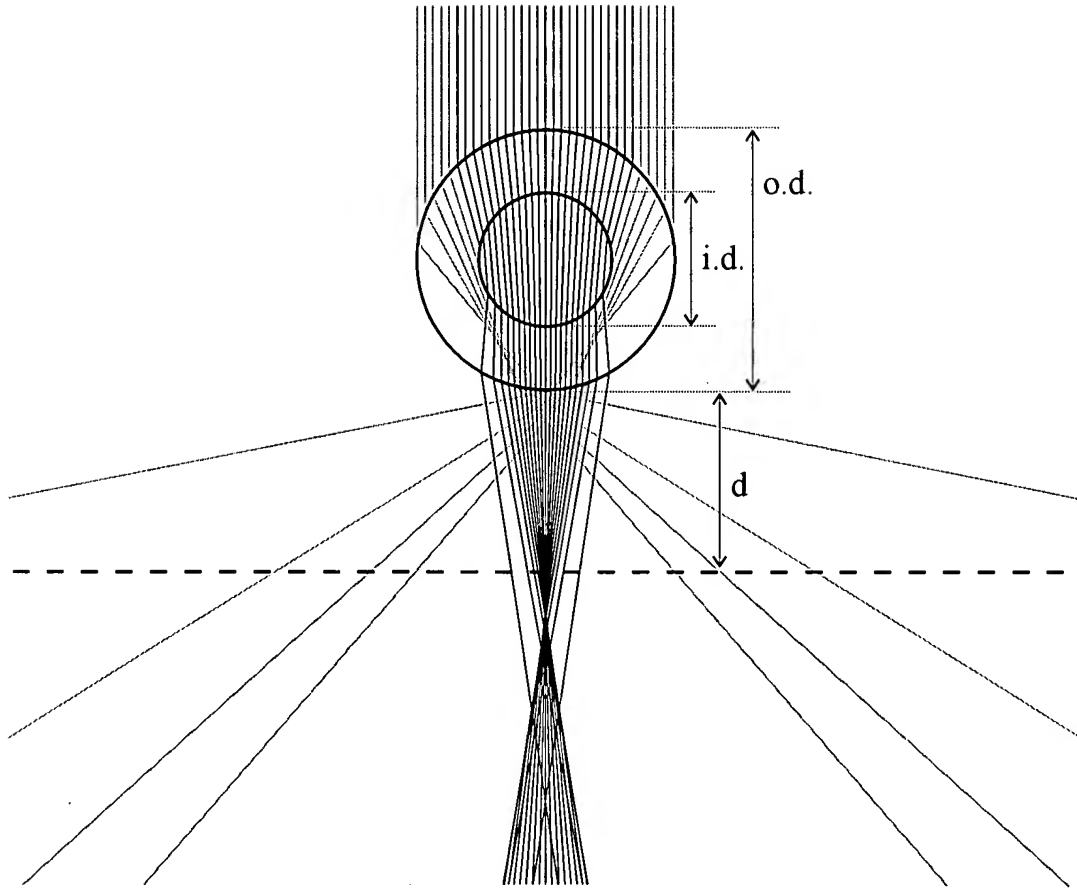
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**Figure 4.** Part of one CCD snapshot showing ~3 mm of 4 capillaries (100  $\mu\text{m}$  i.d., 194  $\mu\text{m}$  o.d.); the total area imaged is  $6.7 \times 26.6$  mm. The contents of the capillaries are, 1. air, 2. water, 3 & 4 ink solution.

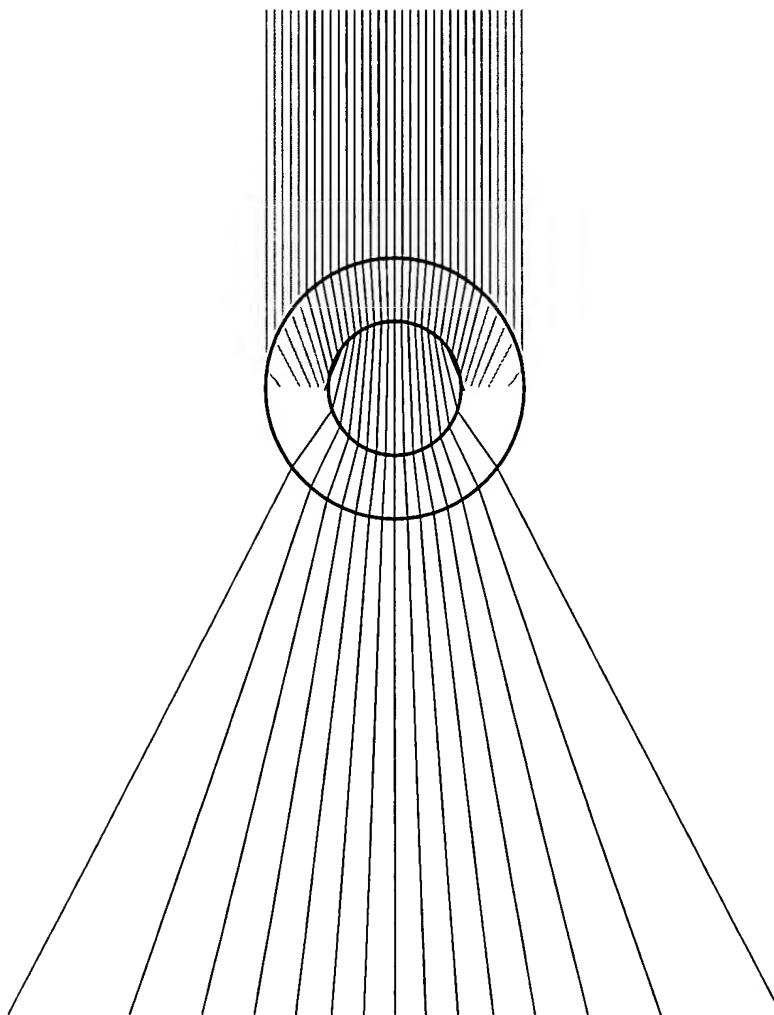
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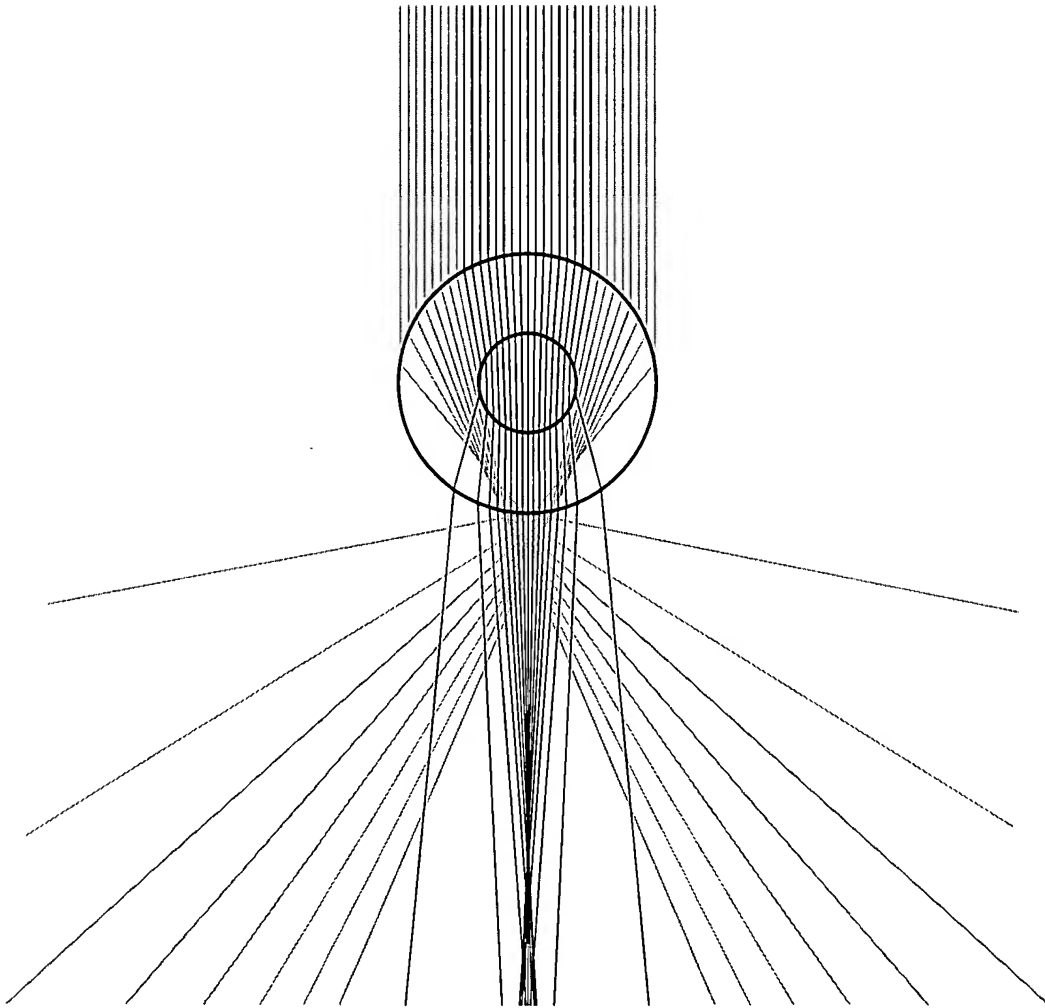
**Figure 5.** Water-filled capillary 100  $\mu\text{m}$  i.d., 194  $\mu\text{m}$  o.d. .

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**Figure 6.** Air filled capillary, 100  $\mu\text{m}$  i.d., 194  $\mu\text{m}$  o.d.

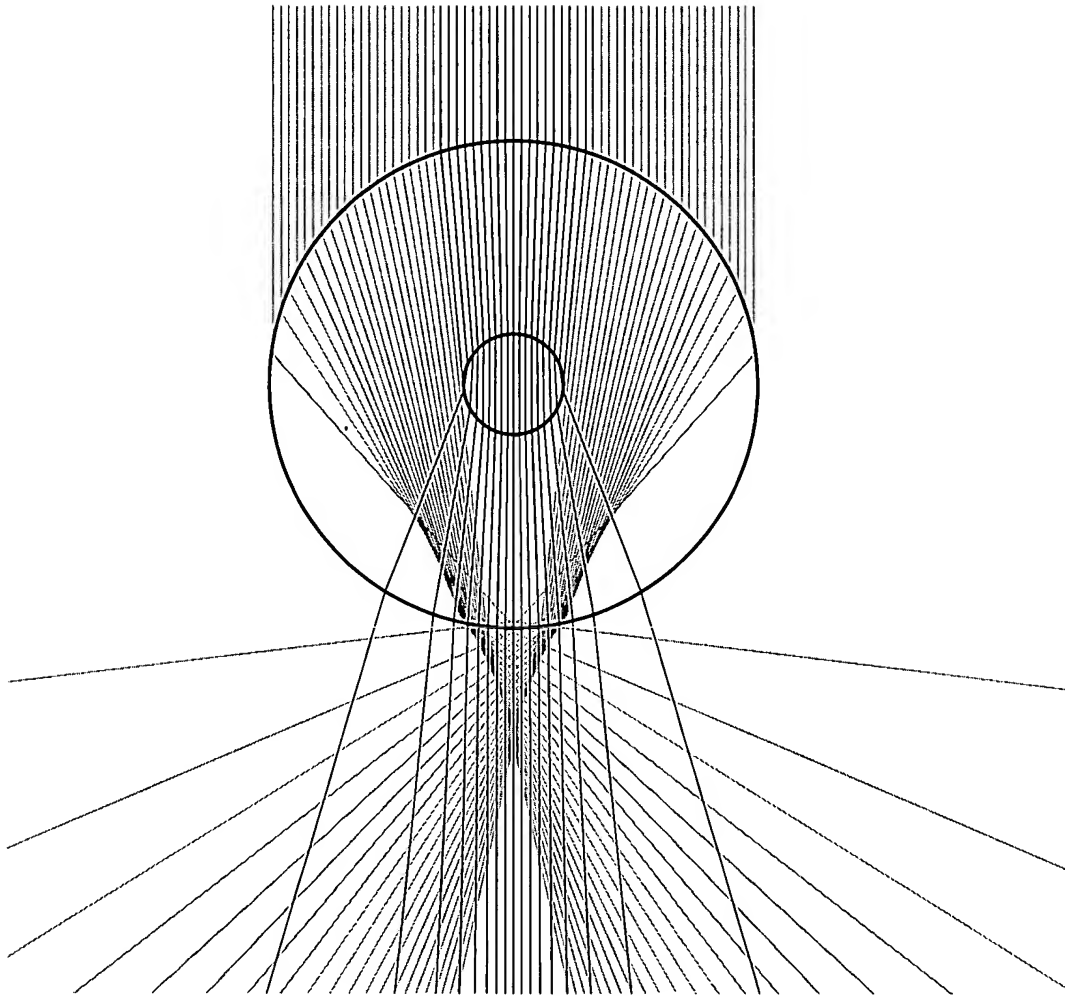
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**Figure 7.** Water filled capillary, 75  $\mu\text{m}$  i.d., 194  $\mu\text{m}$  o.d.

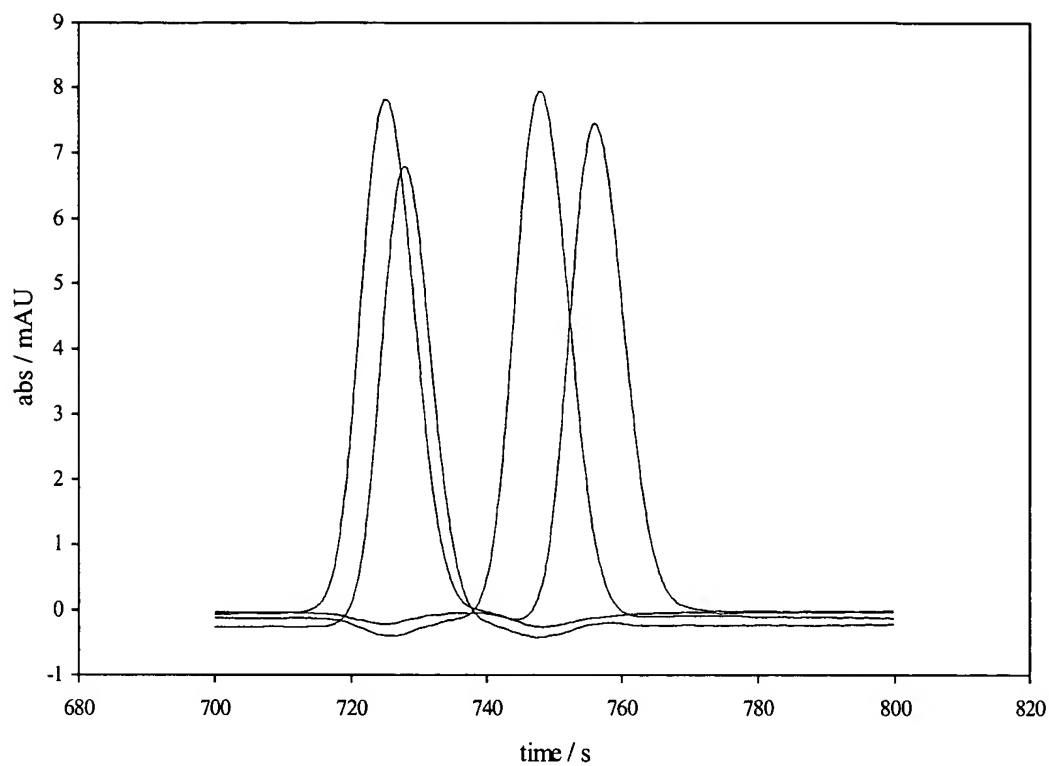


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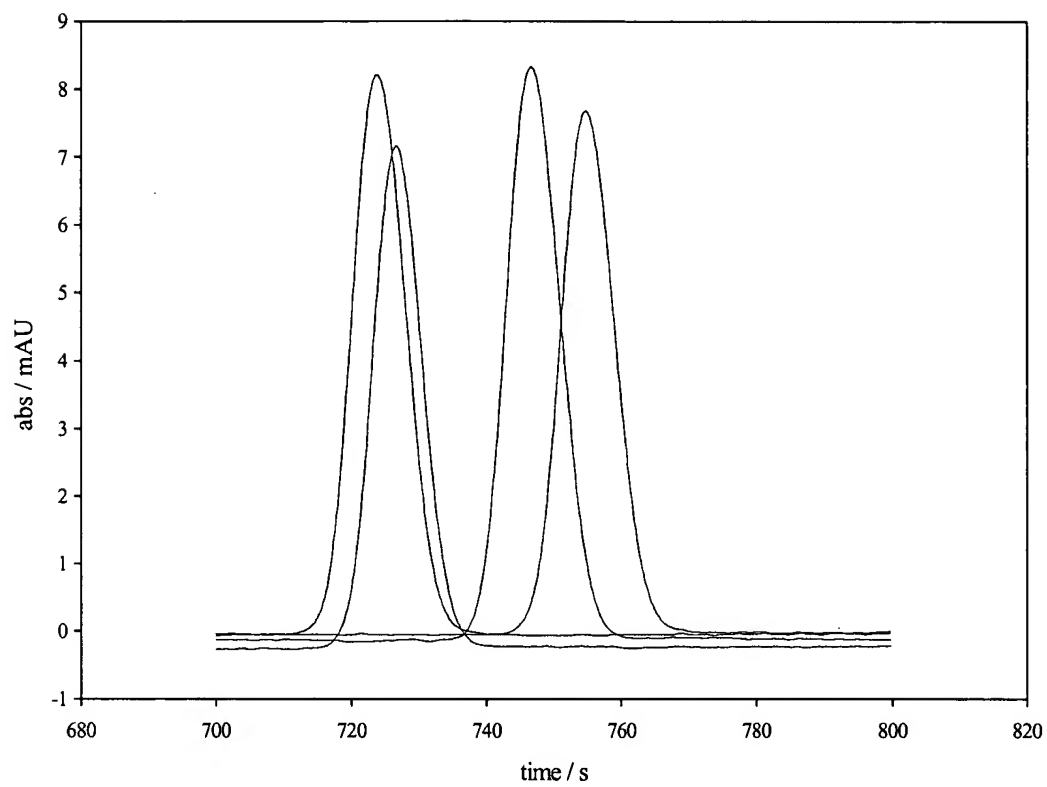
**Figure 8.** Water filled capillary, 75  $\mu\text{m}$  i.d., 364  $\mu\text{m}$  o.d.

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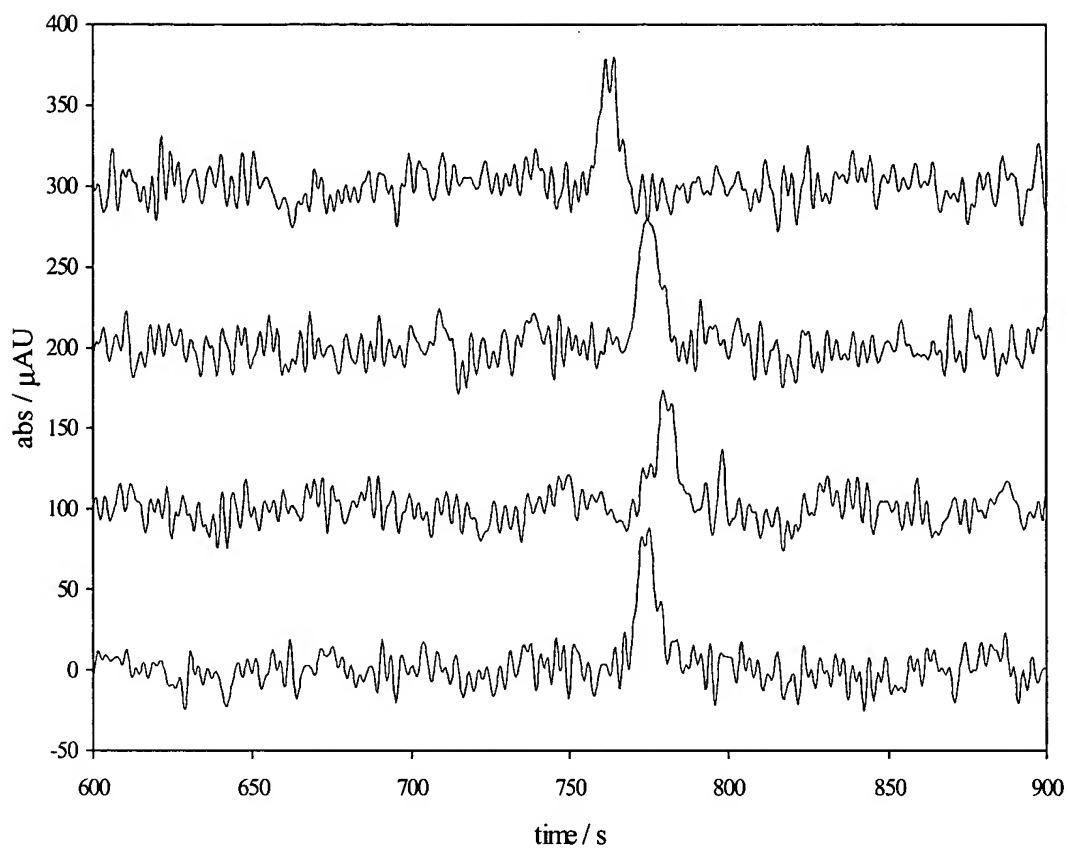
**Figure 9.** Electropherograms of ~16 nL 100  $\mu$ M p-nitrophenol injected into each of four parallel 100  $\mu$ m i.d. capillaries. Capillary length: 500 mm total, 300 mm to the detector. Separation voltage: 5000 V. Buffer: sodium phosphate pH 7.5 (15 mM sodium).

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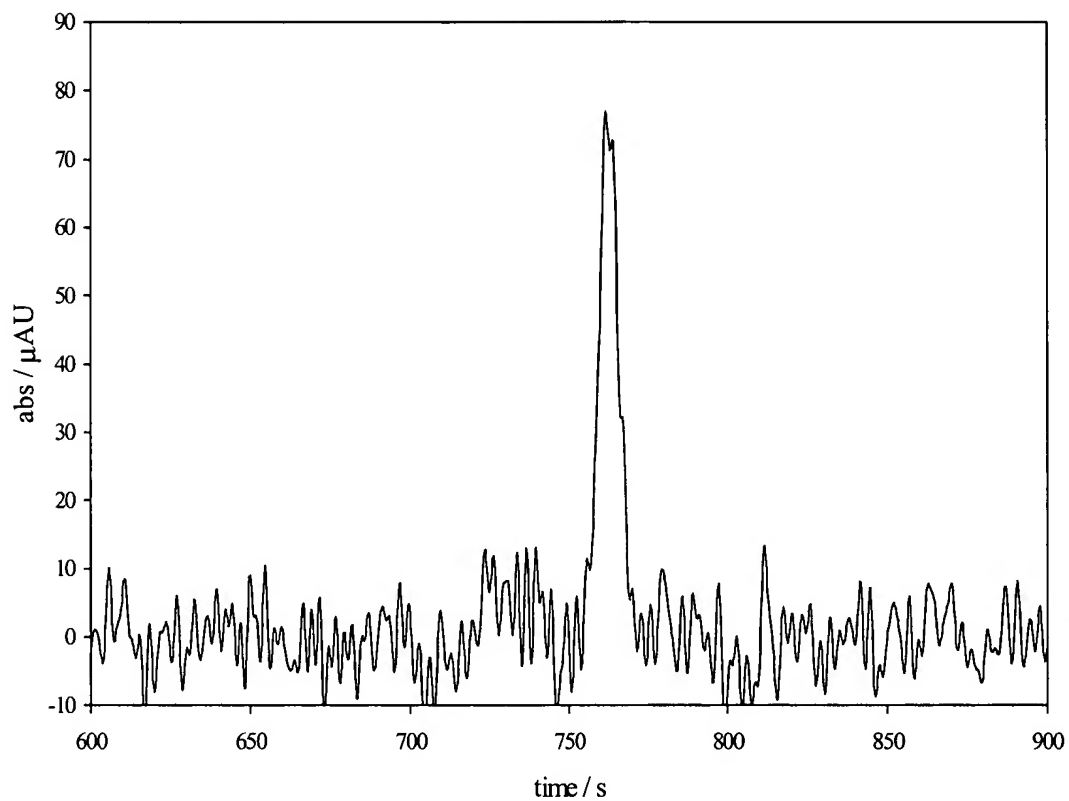
**Figure 10.** Electropherograms of 100  $\mu\text{M}$  p-nitrophenol after correction for cross-talk between capillaries.

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**Figure 11.** Electropherograms of  $\sim 16$  nL  $1 \mu\text{M}$  p-nitrophenol injected into each capillary.

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**Figure 12.** Electropherogram generated by taking the average of the four traces shown in figure 11.

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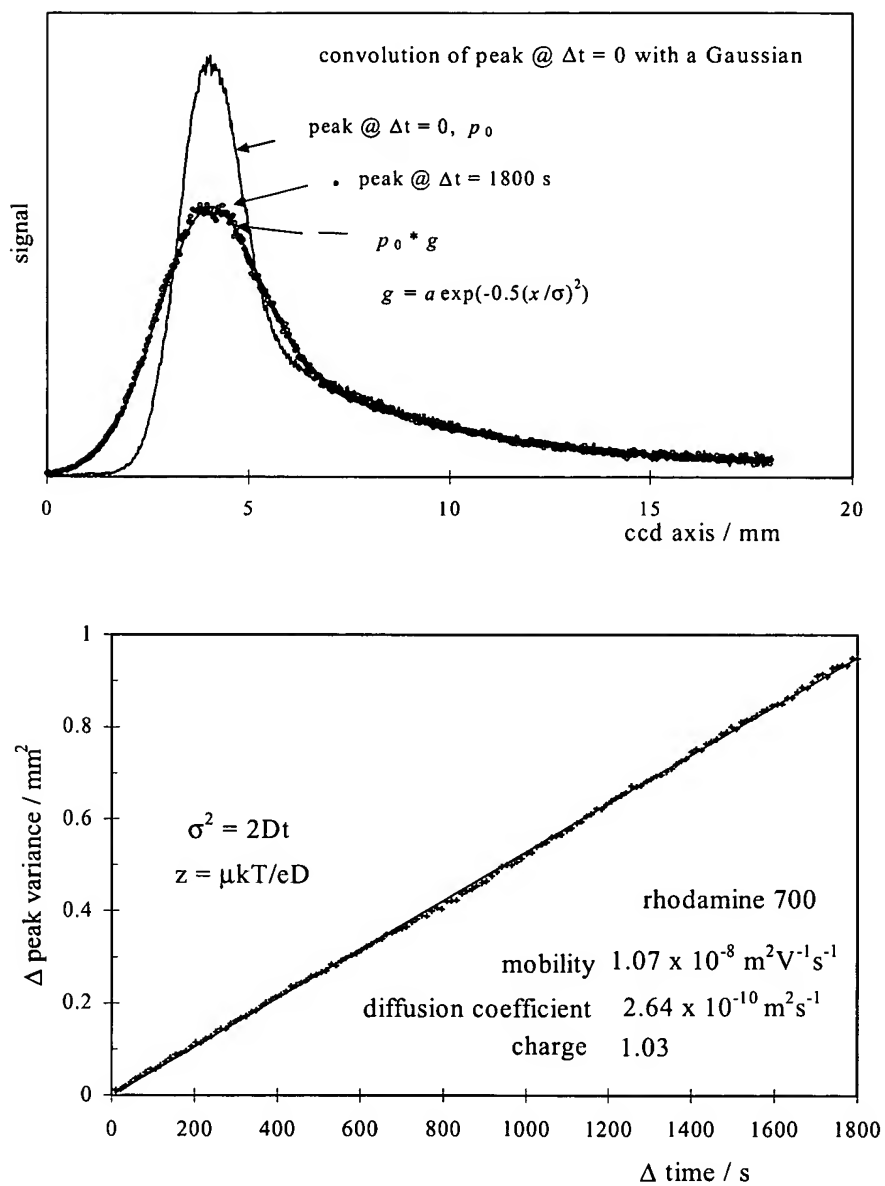


Figure 13.

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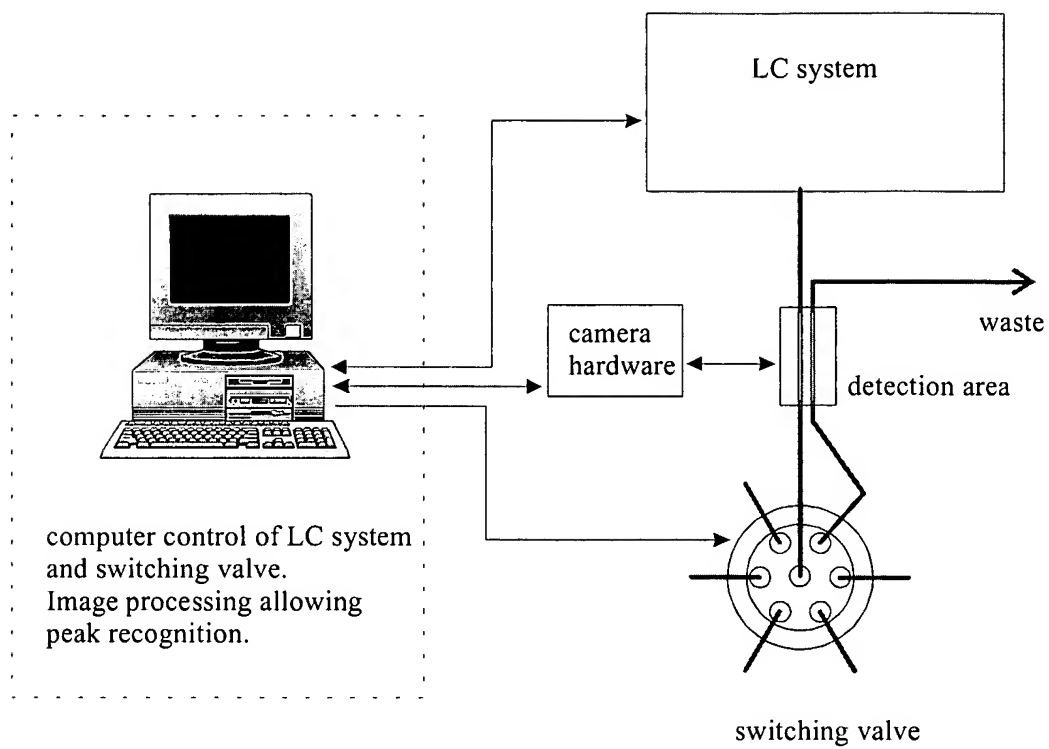
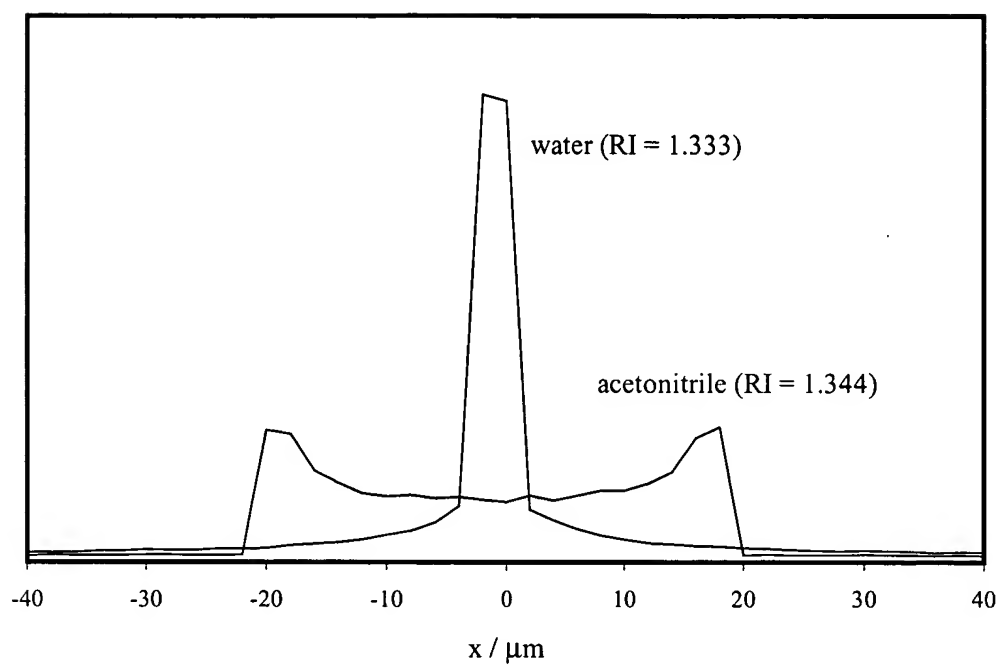


Figure 14.

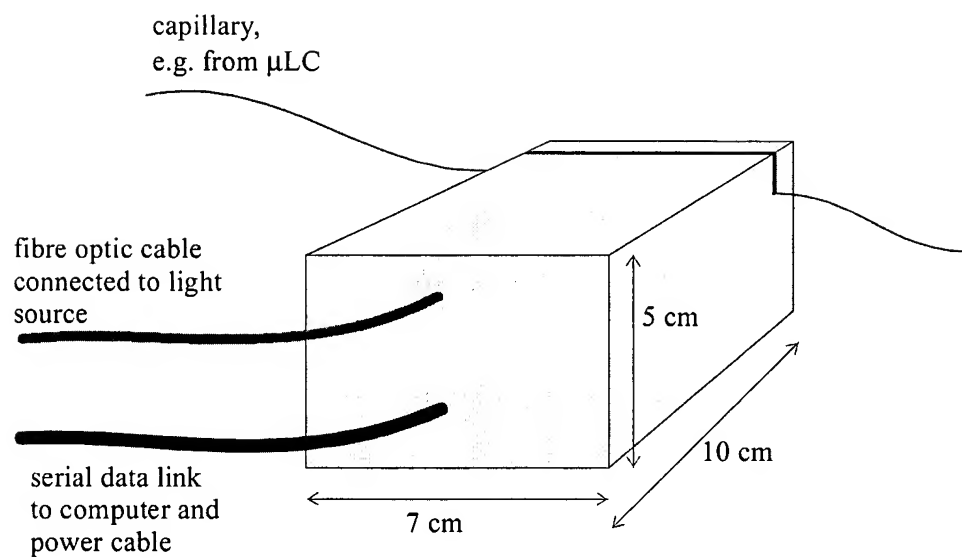
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**Figure 15.**



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**Figure 16.**